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CURRENT SERIAL RECORDS

# **WATER SUPPLY OUTLOOK** and **FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS** for **NEVADA**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,  
and  
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

||||||| AS OF |||||  
**FEB. 1, 1963**

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

## PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

## PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. Box 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**NEVADA**

*Report prepared by*

**MANES BARTON**

*and*

**ROY E. MALSOR, JR.**

SOIL CONSERVATION SERVICE  
1479 SOUTH WELLS AVENUE  
RENO, NEVADA

**FEBRUARY 8, 1963**

*Issued by*

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**HUGH A. SHAMBERGER**

DIRECTOR  
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CARSON CITY, NEVADA



# INDEX TO NEVADA SNOW COURSES ( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
<b>SNAKE RIVER BASIN</b>					
<b>SNAKE RIVER</b>					
15H1A	BEAR CREEK	31	46N	58E	7800
15G4M*	BIG 8ENO	30	45N	56E	6700
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H5*	GOLO CREEK	31	45N	56E	6600
15H15A	HUMMINGBIRIO SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REO POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100

<b>OWYHEE RIVER</b>					
15H4M	BIG 8ENO	30	45N	56E	6700
17H2*	BUCKSKIN, LOWER	25	45N	39E	6700
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200
15H7*	FRY CANYON	31	43N	54E	6700
15H5	GOLO CREEK	31	45N	56E	6600
17H4*	GRANITE PEAK	22	44N	39E	7800
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL ORAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
17H3*	MARTIN CREEK	18	44N	40E	6700
15H6M*	ROOEO FLAT	36	43N	53E	6800
15H9M	TAYLOR CANYON	35	39N	53E	6200
15H8*	TREMEWAN RANCH	9	39N	55E	5700

## INTERIOR

<b>UPPER HUM80LOT RIVER</b>					
15H1A*	BEAR CREEK	31	46N	58E	7800
15H4M*	BIG 8ENO	30	45N	56E	6700
15J12	CORRAL CANYON	27	28N	57E	8500
15J1	ORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H2*	FOX CREEK	33	46N	58E	6800
15H7	FRY CANYON	31	43N	54E	6700
15H5*	GOLO CREEK	31	45N	56E	6600
15J9	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800
16H2*	JACK CREEK, UPPER	9	42N	53E	7250
16H4*	JACKS PEAK	28	42N	53E	8420
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8	LAMOILLE #5	31	32N	59E	8700
15H6M	ROOEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H3A*	76 CREEK	6	44N	58E	7100
15H9M*	TAYLOR CANYON	35	39N	53E	6200
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10	TROUT CREEK, LOWER	28	37N	61E	6900
15H11	TROUT CREEK, UPPER	4	36N	61E	8500

<b>LOWER HUM80LOT RIVER</b>					
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	7200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
18H3	MIOAS	18	39N	46E	7200
17L2	UPPER CORRAL	20	11N	41E	8500

<b>EASTERN NEVAOA</b>					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN.	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7800
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	7875
15L1*	WHITE RIVER #1	31	13N	59E	7400

<b>CENTRAL GREAT BASIN</b>					
18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
15N2	CLARK CANYON	8	19S	56E	9000
18G6a*	DENIO CREEK (OREG.)	14	41S	34E	6000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

<b>NORTHERN GREAT BASIN</b>					
19H1	BALD MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEGAR PASS	12	43N	14E	7100
18H1	OISASTER PEAK	8	47N	34E	6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	8300
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
18H2	LEONARD CREEK	13	42N	28E	5900
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIOGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a*	TROUT CREEK (OREG.)	10	41S	38E	7800

<b>LAKE TAHOE</b>					
19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7500
19L2	FREL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8400
19K4M	MARLETTE LAKE	13	15N	18E	8000
19K2*	MT. ROSE	7	17N	19E	9000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M*	WARO CREEK (CAL.)	21	15N	16E	7000

<b>TRUCKEE RIVER</b>					
20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K11	OONNER LAKE #1 (CAL.)	14	17N	15E	5950
20K21	OONNER PARK #2 (CAL.)	3	16N	16E	6000
20K10*	OONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8*	FURNACE FLAT (CAL.)	10	17N	13E	6600
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K16*	TAHOE CITY (CAL.)	6	15N	17E	6250
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K17M*	WARD CREEK (CAL.)	21	15N	16E	7000
20K2	WEBBER LAKE (CAL.)	20	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

<b>CARSON RIVER</b>					
19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050

<b>WALKER RIVER</b>					
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIIGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

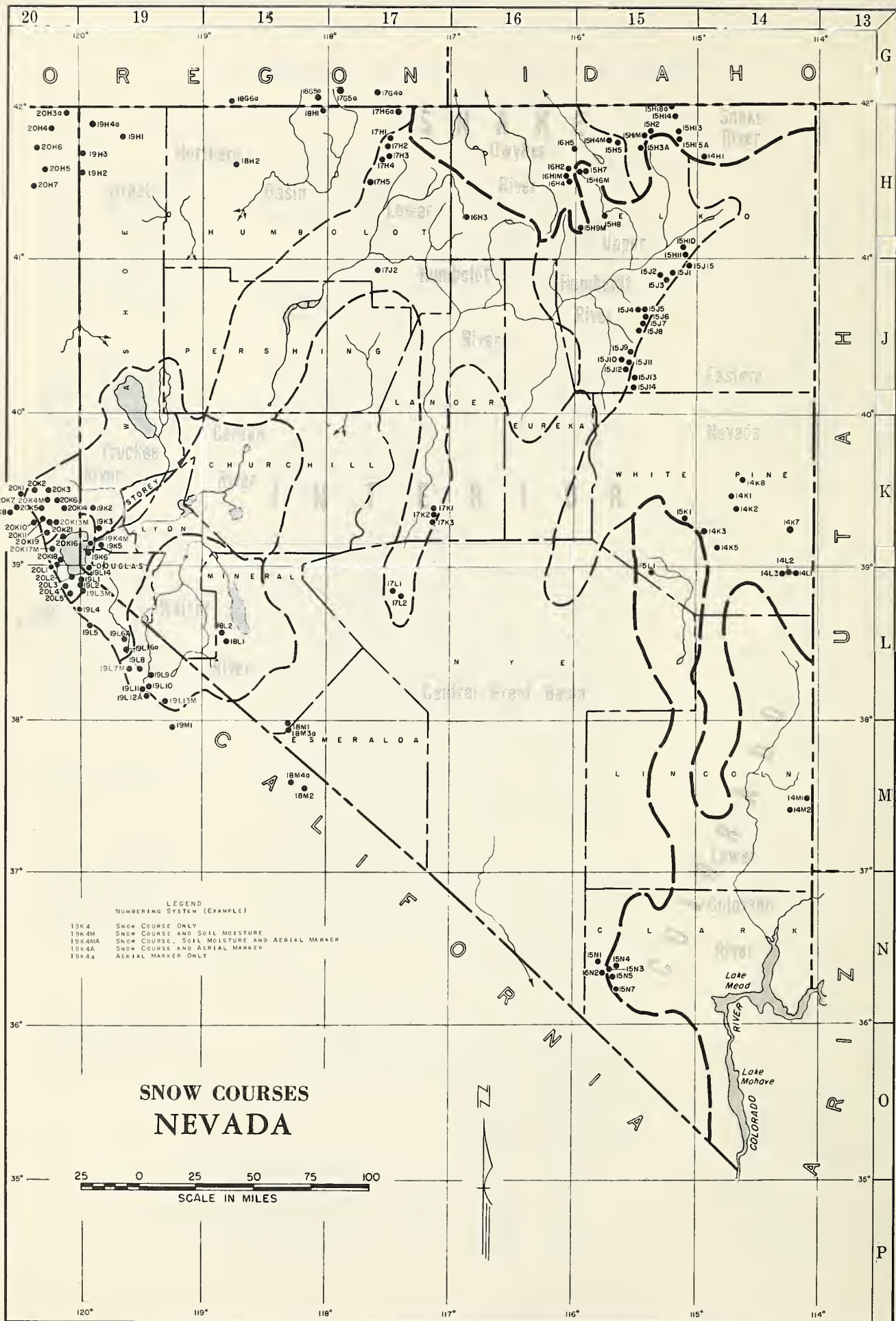
## COLORADO

<b>LOWER COLORADO RIVER</b>					
15N5	KYLE CANYON	26	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8300
15N3	LEE CANYON #2	9	19S	56E	9000
14M1	MATHEW CANYON	11	5S	70E	6000
14M2	PINE CANYON	11	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

### LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4A	SNOW COURSE AND AERIAL MARKER
19K4a	AERIAL MARKER ONLY

\* LOCATED ON ADJACENT WATERSHED



E R R A T U M

Correction in SUMMARY OF SNOW SURVEY MEASUREMENTS FOR NEVADA 1910-1961

Page 87 Lake Lucille snow course is shown as:

1927	4-01	20	7.6
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change to:

1927	4-01	205	76.2
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# WATER SUPPLY OUTLOOK FOR NEVADA

February 1, 1963

\*\*\*\*\*  
 \* An extremely limited 1963 irrigation season water supply is in \*  
 \* prospect for Nevada water users served by direct diversion. The \*  
 \* unseasonably heavy rainfall which occurred during the last week \*  
 \* in January removed all snow below 7500 feet. Water content of \*  
 \* snow above 7500 feet is extremely poor. Reservoir storage is \*  
 \* good due to heavy flood water inflow and will provide a moder- \*  
 \* ately fair supply to the water users they serve. Mountain and \*  
 \* valley soils are well wetted and little, if any, snowmelt water \*  
 \* will be required to prime the soil unless an extended dry spell \*  
 \* occurs during the remainder of the winter. \*  
 \*\*\*\*\*

Prior to the January 29 - February 1 storm the water content of mountain snowpack ranged from 10-35 percent of the February 1 average. At times during the storm, warm rains fell at the highest mountain elevations. These rains melted the shallow median elevation snowpack and gradually thawed the frozen soil mantle. Toward the end of the storm the mountain soils became well wetted. Immediately after the storm ended there was no snow below 7500 feet and above 7500 feet the snowpack was partially to totally melted. Almost without exception all February 1, 1963 snow course water content values were the lowest since February 1 measurements began.

By February 1 approximately 60-70 percent of the winter's snowpack should be deposited in the mountains. Thus, with normal snowfall the next two month, the mountain snowpack on April 1 would only be 35-45 percent of average.

Assuming that precipitation and temperature will be near average from the present time until the end of the forecast period, April-July runoff forecasts for a selected group of streams are as follows:

Stream	April-July, Streamflow Thousand Acre Feet				
	Forecast 1963	15-Yr. Av. 1943-57	1963 as % of 15-Yr.Av.	Measured Runoff 1962	1961
Owyhee River nr. Gold Cr., Nev.*	5	29	17	29	2
Owyhee River nr. Owyhee, Nev.*	15	86	17	85	17
Humboldt River at Palisade, Nev.	40	225	18	267	51
West Walker below E. Fork nr. Coleville, California	65	148	44	155	72
Virgin River at Virgin, Utah**	23	44	52	Not available	

\* Corrected for storage in Wild Horse Reservoir.

\*\* April-September forecast furnished by SCS, Salt Lake City, Utah.

From the foregoing forecasts it is apparent that April-July streamflow in 1963 will be very poor. Water users not having reservoired water supplies will receive only a short duration and limited irrigation water supply from their streamflow sources. Even if markedly above normal snowfall occurs during February and March the water supply outlook would still be far from favorable.



Carryover water from the 1962 season coupled with heavy flood water inflow during the past two weeks has raised most Nevada reservoirs to their normal February 1 levels. Lake Tahoe gained over 120,000 acre feet of water during the recent flood. On January 1 its level was 6223.71 feet (96,000 a.f.). The February 1 level was 6224.46 feet (175,000 a.f.) and by February 5 the Lake level was 6224.74 feet (210,000 a.f.) or 46 percent of the February 1, 1943-57 average and 29 percent of capacity. Lahontan Reservoir held 193,000 acre feet on February 1 and by February 5 held 238,000 acre feet.

In aggregate on February 1 Nevada's principal reservoirs exclusive of Lake Tahoe, Lake Mead and Lake Mohave were 101 percent of their February 1 average and 60 percent of usable capacity. Water users served from these reservoirs will have a moderately fair irrigation season water supply. In general full allotments may not be possible particularly if the April-July runoff proves to be as poor as now forecast.

Mountain soils are well primed and unless they are exposed too long without snow cover, little snowmelt water will be lost to soil priming. Thus, an optimum snowmelt water yield can be expected from any snowpack which accumulates from this date forward.

The reader is cautioned that the snow survey measurements presented in this report were obtained before, during and after the January 29 - February 1 rain storm and should be interpreted accordingly.



## NEVADA

## STATUS OF RESERVOIR STORAGE

FEBRUARY 1, 1963

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1963	1962	1961	FEBRUARY 1 15-YR. AVE. 1943-57
Owyhee	Wild Horse	33	18	9	13	12
Lower Humboldt	Rye Patch	179	75	6	8	95
Colorado	Mohave	1,810	1,682	1,680	1,696	1,427*
Colorado	Mead	27,217	22,676	17,901	18,978	17,464
Tahoe	Tahoe	732	175	0	92	461
Truckee	Boca	41	26	1	10	10
Carson	Lahontan	286	193	35	76	198
West Walker	Topaz	59	35	10	10	36
East Walker	Bridgeport	42	36	12	9	30

\* 1950-57

## TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz  
and Bridgeport Reservoirs in 1000's Acre Feet

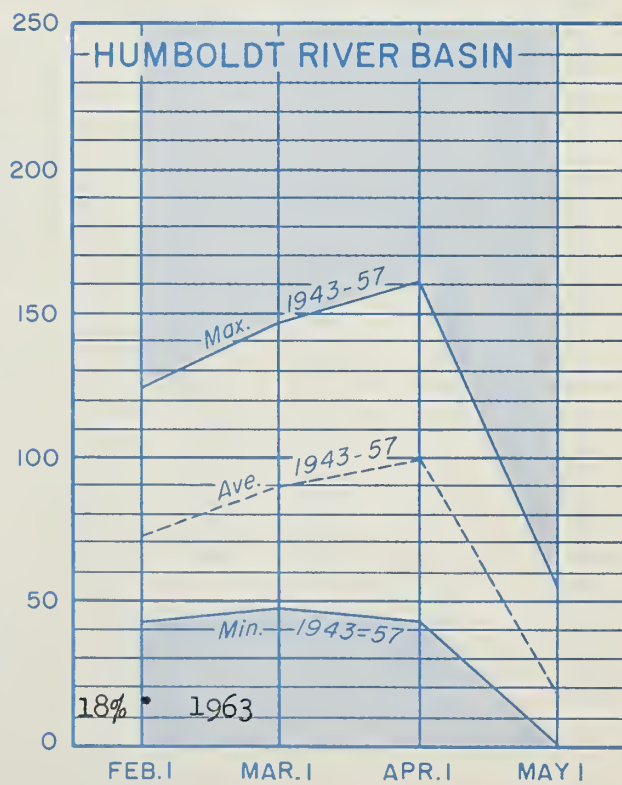
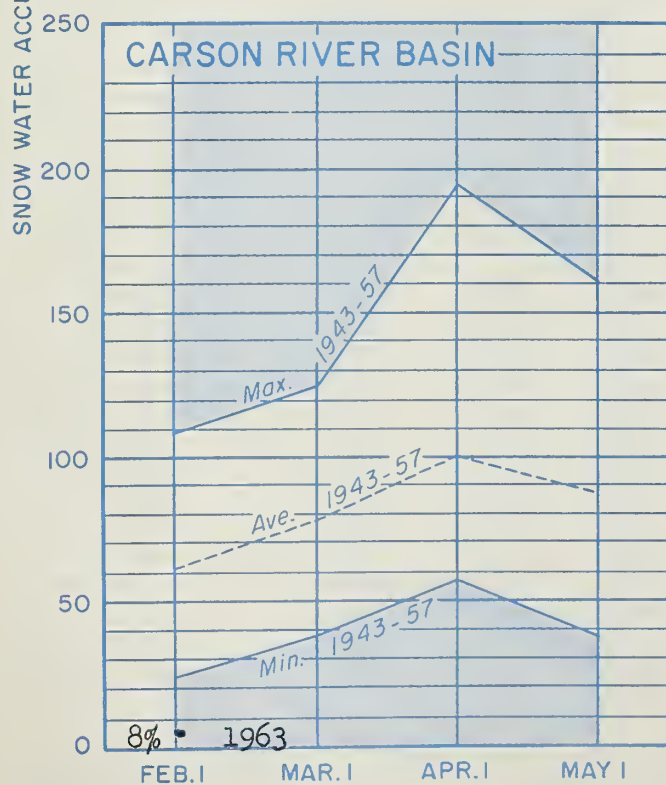
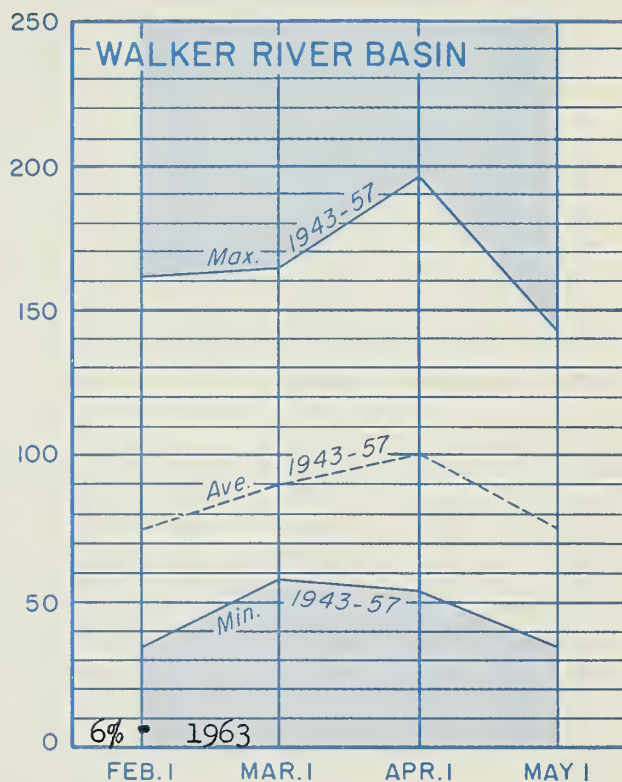
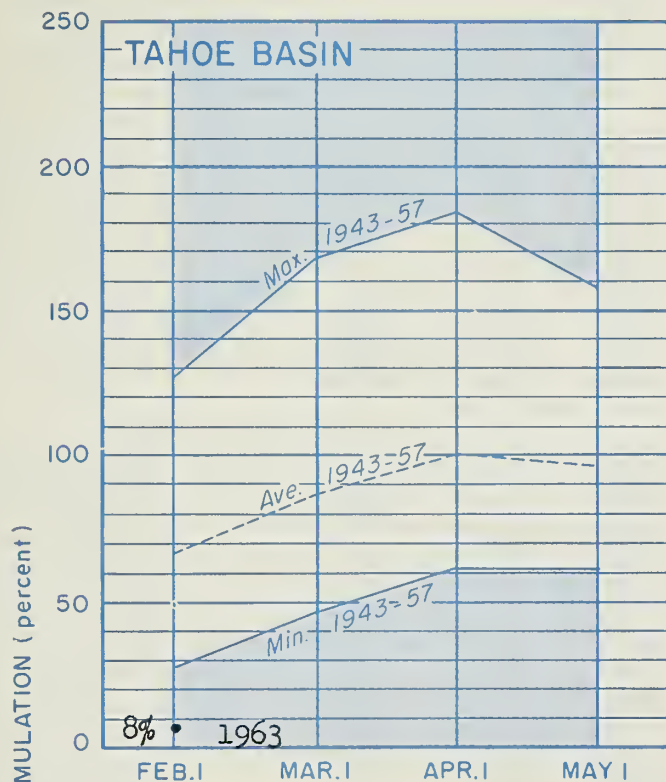
MONTH	1958-59	1959-60	1960-61	1961-62	1962-63	AVERAGE 1943-57
October 1	985	489	263	65	345	732
January 1	890	367	206	57	419	787
February 1	947	398	218	73	558	842
March 1	1,038	494	254	210		877
April 1	1,066	592	285	318		923
May 1	1,036	632	300	499		971

TOTAL USABLE CAPACITY 1,372



# SNOW WATER ACCUMULATION in NEVADA by BASIN

FEBRUARY 1, 1963



FEBRUARY 1972

100 • 100

100 • 100

100 • 100

100 • 100

NEVADA SNOW SURVEYS FEBRUARY 1, 1963

			SNOW COVER MEASUREMENTS					
			1963		: P a s t R e c o r d			
DRAINAGE BASIN			Date :	Snow :	Water :	Water :	Content :	(In.)
AND			of :	Depth :	Content :			1943-57
SNOW COURSE	No.	Elev. (Ft.)	Survey:	(In.):	(In.):	1962	1961	Ave.
<u>SNAKE RIVER</u>								
Bear Creek	15H1MA	8145	1/28	20	4.5 <sup>e</sup>	14.3 <sup>e</sup>	6.6 <sup>e</sup>	12.1*
+Big Bend	15H4M	6700	1/28	T	T	5.0	3.0	6.9*
Goat Creek	15H13A	8800	1/28	13	2.8 <sup>e</sup>	7.8 <sup>e</sup>	6.6	10.6*
+Gold Creek	15H5	6600	1/28	0	0.0	3.4	1.6	4.1*
Hummingbird Springs	15H15A	8870	1/28	24	5.4 <sup>e</sup>	10.9 <sup>e</sup>	2.8 <sup>e</sup>	12.7*
Pole Creek R. S.	15H14	8330	1/30	30	6.8	11.8	7.2	10.7*
Red Point	15H18a	7940	1/28	8	1.8 <sup>e</sup>	5.3 <sup>e</sup>	1.7 <sup>e</sup>	--
76-Creek	15H3A	7100	1/28	T	T <sup>e</sup>	6.2 <sup>e</sup>	4.8	8.3*
<u>OWYHEE RIVER</u>								
+Bear Creek	15H1MA	8145	1/28	20	4.5 <sup>e</sup>	14.3 <sup>e</sup>	6.6 <sup>e</sup>	12.1*
Big Bend	15H4M	6700	1/28	T	T	5.0	3.0	6.9*
+Fry Canyon	15H7	6700	1/28	T	T	3.2	3.2	6.5*
Gold Creek	15H5	6600	1/28	0	0.0	3.4	1.6	4.1*
+Granite Peak	17H4	7800	2/5	23	6.8	5.6	3.6	8.1*
Jack Creek, Lower	16H1M	6800	1/28	T	T	2.9	1.0	2.8*
Jack Creek, Upper	16H2	7250	1/28	T	T	8.1	3.0	6.5*
Jacks Peak	16H4	8420	1/29	17	3.2	--	13.0	--
Laurel Draw	16H5	6700	2/1	0	0.0	4.0	3.0	--
+Martin Creek	17H3	6700	2/5	T	T	6.0	4.2	5.7*
+Rodeo Flat	15H6M	6800	1/28	T	T	3.0	2.7	6.4*
+76-Creek	15H3A	7100	1/28	T	T <sup>e</sup>	6.2 <sup>e</sup>	4.8	8.3*
Taylor Canyon	15H9M	6200	1/28	T	T	2.5	1.0	4.1*
+Tremewan Ranch	15H8	5700	1/28	0	0.0	0.9	T	1.9*
<u>UPPER HUMBOLDT RIVER</u>								
+Bear Creek	15H1MA	8145	1/28	20	4.5 <sup>e</sup>	14.3 <sup>e</sup>	6.6 <sup>e</sup>	12.1*
+Big Bend	15H4M	6700	1/28	T	T	5.0	3.0	6.9*
Fry Canyon	15H7	6700	1/28	T	T	3.2	3.2	6.5*
+Gold Creek	15H5	6600	1/28	0	0.0	3.4	1.6	4.1*
+Jack Creek, Lower	16H1M	6800	1/28	T	T	2.9	1.0	2.8*
+Jack Creek, Upper	16H2	7250	1/28	T	T	8.1	3.0	6.5*
+Jacks Peak	16H4	8420	1/29	17	3.2	--	13.0	--
Lamoille #1	15J4	7100	1/31	6	1.6	7.5	4.4	6.6*
Lamoille #2	15J5	7200	1/31	7	2.4	7.2	3.4	6.9*
Lamoille #3	15J6	7700	1/31	15	3.8	8.7	4.6	8.9*
Lamoille #4	15J7	8000	1/31	25	5.4	13.0	7.4	12.9*
Lamoille #5	15J8	8700	1/31	46	9.1	19.6	11.1	19.2*
Rodeo Flat	15H6M	6800	1/28	T	T	3.0	2.7	6.4*
+76-Creek	15H3A	7100	1/28	T	T <sup>e</sup>	6.2 <sup>e</sup>	4.8	8.3*
+Taylor Canyon	15H9M	6200	1/28	T	T	2.5	1.0	4.1*
Tremewan Ranch	15H8	5700	1/28	0	0.0	0.9	T	1.9*

+ Located on adjacent drainage

e Aerial snow depth gage reading; water content estimated.

\* 1943-57 adjusted average.



NEVADA SNOW SURVEYS FEBRUARY 1, 1963

			SNOW COVER MEASUREMENTS					
			1963			: P a s t R e c o r d		
DRAINAGE BASIN AND SNOW COURSE	No.	Elev. (Ft.)	Date :	Snow :	Water :	Water Content (In.)		
			of :	Depth:	Content:	1943-57		
			Survey: (In.):	(In.):	(In.):	1962	1961	Ave.
<u>LOWER HUMBOLDT RIVER</u>								
Granite Peak	17H4	7800	2/5	23	6.8	5.6	3.6	8.1*
Martin Creek	17H3	6700	2/5	T	T	6.0	4.2	5.7*
Lower Corral	17L2	7500	Report delayed			2.5	0.0	--
Upper Corral	17L1	8500	Report delayed			4.3	1.2	--
<u>QUINN RIVER</u>								
Denio Creek	18G6a	6000	1/28	0	0.0	0.8e	0.0e	--
Louse Canyon	17G4a	6440	1/23	T	T	0.8e	0.6e	--
Oregon Canyon	17G5a	7240	1/23	T	T	3.9e	2.4e	--
Quinn Ridge	17H6a	6300	1/23	T	T	0.8e	0.0e	--
Trout Creek	18G3a	7800	1/23	8	2.0e	3.4e	3.6e	--
<u>LOWER COLORADO RIVER</u>								
Mathew Canyon	14M1	6000	Report delayed			9.1	1.4	2.6*
Pine Canyon	14M2	6200	Report delayed			10.3	1.6	2.9*
<u>TAHOE</u>								
Daggetts Pass	19L14	7350	1/29	T	T	3.8	4.4	10.1*
Echo Summit	20L5	7500	2/4	18	7.1	15.9b	10.6	26.6
Freel Bench	19L2	7300	1/30	T	T	5.2	4.5	10.0*
Glenbrook #2	19K6	6900	1/29	3	0.6	4.2	4.8	9.1*
Hagans Meadow	19L3	8000	1/30	9	2.4	6.8	6.7	12.2*
Marlette Lake	19K4	8000	1/29	7	1.6	6.9	8.8	14.1*
Richardsons #2	20L3	6500	1/29	5	1.0	7.6	7.1	13.3*
Tahoe City	20K16	6250	1/31	2	T	3.8	0.0	9.6*
Upper Truckee	19L1	6400	1/30	T	T	5.0	3.1	9.5*
Ward Creek	20K17	7000	1/31	4	T	17.8	18.5	26.9*

\* 1943-57 adjusted average.

e Aerial snow depth gage reading; water content estimated.

b Water content partly estimated.



NEVADA SNOW SURVEYS FEBRUARY 1, 1963

			SNOW COVER MEASUREMENTS					
			1963			: P a s t R e c o r d		
DRAINAGE BASIN			Date :	Snow :	Water :	Water Content (In.)		
AND			of :	Depth:	Content:	1943-57		
SNOW COURSE	No.	Elev. (Ft.)	Survey:	(In.):	(In.):	1962	1961	Ave.
<u>TRUCKEE RIVER</u>								
Boca #2	20K14	5900	1/31	0	0.0	2.6	T	6.5*
Donner Park #2	20K21	6000	1/31	0	0.0	9.1	4.9	--
+Donner Summit	20K10	6900	Not surveyed			15.1	13.4	25.7
+Fordyce Lake	20K7	6500	Not surveyed			19.5	13.2	25.3*
+Furnace Flat	20K8	6600	Not surveyed			19.5	17.2	28.8*
Sage Hen Creek	20K6	6500	1/31	0	0.0	8.0	6.4	13.4*
Tahoe City	20K16	6250	1/31	2	T	3.8	0.0	9.6*
Truckee #2	20K13	6400	1/31	0	0.0	7.0	5.4	12.9*
+Ward Creek	20K17	7000	1/31	4	T	17.8	18.5	26.9*
<u>CARSON RIVER</u>								
Carson Pass (Upper)	19L4	8600	1/25	11	2.8	13.6	7.1	22.4
Poison Flat	19L6A	7900	2/4	6	1.5 <sup>e</sup>	5.8 <sup>e</sup>	7.2 <sup>e</sup>	--
Upper Fish Valley	19L16a	8050	2/4	12	3.0 <sup>e</sup>	5.8 <sup>e</sup>	7.2 <sup>e</sup>	--
<u>WALKER RIVER</u>								
Center Mountain	19L12A	9400	2/4	26	6.5 <sup>e</sup>	13.3 <sup>e</sup>	--	--
Sonora Pass	19L7	8800	1/28	6	1.9	10.4	9.5	14.5*
Tioga Pass	19M1	9900	Not surveyed			10.9	9.2	18.6*
Virginia Lakes	19L13	9500	1/28	2	0.4	8.7	8.6	11.8*
<u>WHITE MOUNTAINS</u>								
Campito Mtn.	18M2	10200	Report delayed			2.5	4.3	--
Montgomery Pass	18M1	7100	Report delayed			1.4	T	--
Pinchot Creek	18M3a	9300	2/4	0	0.0	T e	--	--
Piute Pass	18M4a	11700	2/4	12	3.0 <sup>e</sup>	T e	--	--
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>								
Barber Creek	20H2	6500	2/1	5	1.4	7.0	5.1	--
Cedar Pass	20H6	7100	2/4	2	0.6	6.0	7.2	11.5*
Dismal Swamp	20H3a	7000	1/28	6	1.5 <sup>e</sup>	9.9 <sup>e</sup>	8.1 <sup>e</sup>	--
49-Mountain	19H3	6000	2/1	0	0.0	3.1	1.2	--
Hays Canyon	19H2	6400	2/1	0	0.0	2.5	T	--
Little Bally Mtn.	19H4a	6000	1/28	0	0.0	3.6 <sup>e</sup>	T e	--
Reservation Creek	20H1	5900	2/1	2	1.0	3.3	4.6	--

+ Located on adjacent drainage.

e Aerial snow depth gage reading; water content estimated.

\* 1943-57 adjusted average.

